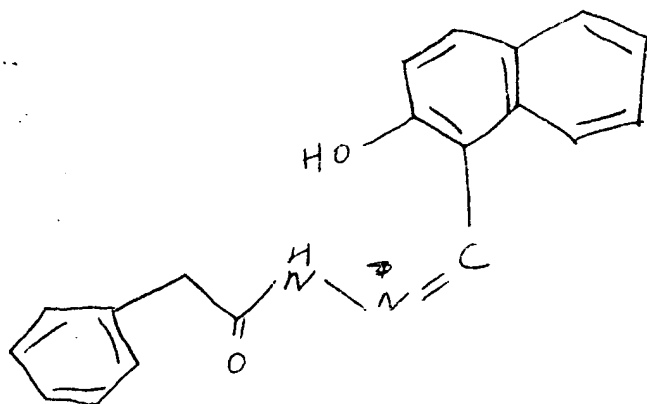


## ONLINE SEARCH REQUEST FORM

\*\*\*\*\*  
USER ELLI PESELEV SERIAL NUMBER 09/816,761ART UNIT 1623 PHONE 302-4616 DATE 7/18/00

Please give a detailed statement of requirements. Describe as specifically as possible the subject matter to be searched. Define any terms that may have special meaning. Give examples or relevant citations, authors, or keywords, if known.

You may include a copy of the broadest and or relevant claim(s).



Point of Contact:  
Toby Port  
Technical Info. Specialist  
CM1 6A04  
703-308-3534

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COMPLETED 7/22  
SEARCHER Port  
ONLINE TIME 60 TOTAL TIME 20  
(in minutes)  
NO. OF DATABASES \_\_\_\_\_

SYSTEMS  
194 CAS ONLINE  
\_\_\_\_ DARC/QUESTEL  
\_\_\_\_ DIALOG  
\_\_\_\_ SDC  
\_\_\_\_ OTHER

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FILE 'REGISTRY' ENTERED AT 10:51:01 ON 22 JUL 2002

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STRUCTURE FILE UPDATES: 21 JUL 2002 HIGHEST RN 439659-64-0

DICTIONARY FILE UPDATES: 21 JUL 2002 HIGHEST RN 439659-64-0

TSCA INFORMATION NOW CURRENT THROUGH January 7, 2002

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

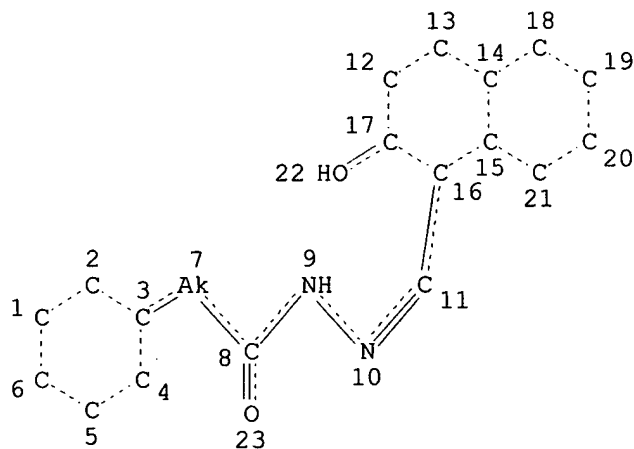
Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES  
for more information. See STNote 27, Searching Properties in the CAS  
Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

L9

STR



NODE ATTRIBUTES:

CONNECT IS E2 RC AT 7

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 23

STEREO ATTRIBUTES: NONE

L11 15 SEA FILE=REGISTRY SSS FUL L9

100.0% PROCESSED 6406 ITERATIONS

15 ANSWERS

SEARCH TIME: 00.00.01

=> file caplus; d que nos l12

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FILE COVERS 1907 - 22 Jul 2002 VOL 137 ISS 4  
FILE LAST UPDATED: 21 Jul 2002 (20020721/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

L9 STR  
L11 15 SEA FILE=REGISTRY SSS FUL L9  
L12 5 SEA FILE=CAPLUS ABB=ON PLU=ON L11

=> d ibib abs hitstr l12 1-5

L12 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 2001:713127 CAPLUS  
DOCUMENT NUMBER: 135:251941  
TITLE: Bactericidal antimicrobial methods and compositions using acyl hydrazides, oxyamides, and 8-hydroxyquinolines as antibiotic potentiators for treatment of Gram-positive infections  
INVENTOR(S): Markham, Penelope N.; Klyachko, Ekaterina A.; Crich, David; Jaber, Mohamad-Rami; Johnson, Michael E.; Mulhearn, Debbie C.; Neyfakh, Alexander A.  
PATENT ASSIGNEE(S): Influx, Inc., USA  
SOURCE: PCT Int. Appl., 84 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001070213	A2	20010927	WO 2001-US9578	20010323
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,				

DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,  
BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: US 2000-191879P P 20000323

OTHER SOURCE(S): MARPAT 135:251941

AB The invention provides methods and compns. for increasing the effectiveness of existing antibacterial agents and methods of overcoming bacterial resistance. Specifically, the invention provides methods of enhancing the action of an antibacterial agent by use of an antibiotic potentiator. Compns. of antibiotic potentiators including an acyl hydrazide, an oxyamide, and an 8-hydroxy quinoline, also are disclosed.

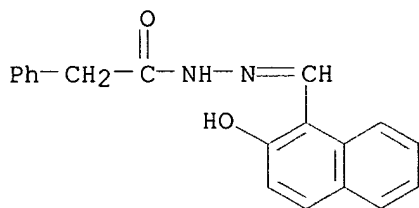
IT 34334-88-8 34334-88-8D, N-alkyl derivs.

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(bactericidal antimicrobial methods and compns. using acyl hydrazides, oxyamides, and 8-hydroxyquinolines as antibiotic potentiators for treatment of Gram-pos. infections)

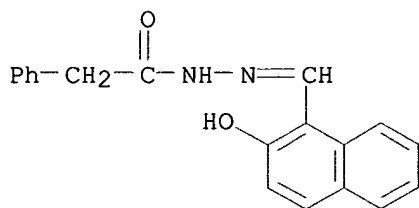
RN 34334-88-8 CAPLUS

CN Benzeneacetic acid, [(2-hydroxy-1-naphthalenyl)methylene]hydrazide (9CI)  
(CA INDEX NAME)



RN 34334-88-8 CAPLUS

CN Benzeneacetic acid, [(2-hydroxy-1-naphthalenyl)methylene]hydrazide (9CI)  
(CA INDEX NAME)



L12 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1989:575281 CAPLUS

DOCUMENT NUMBER: 111:175281

TITLE: Thermal stabilization of photochemically crosslinked materials based on polyethylene with phenol-type antioxidants

AUTHOR(S): Zamotaev, P. V.; Mityukhin, O. P.; Stvel'tsova, Z. O.; Glushkova, L. V.; Iofis, L. I.

CORPORATE SOURCE: USSR

SOURCE: Plast. Massy (1989), (4), 56-8

CODEN: PLMSAI; ISSN: 0554-2901

DOCUMENT TYPE: Journal

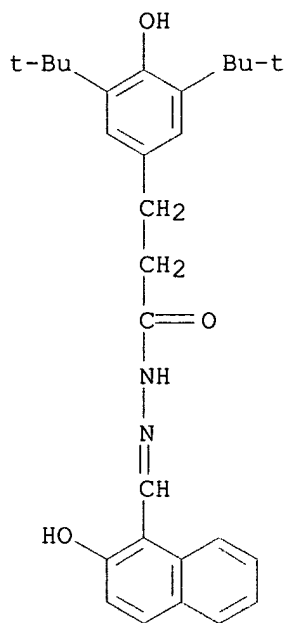
LANGUAGE: Russian

AB Anticorrosive, elec. insulating, and packaging materials were prepd. from low-d. polyethylene (I) by UV-photochem. crosslinking in the presence of xanthone and 2-ethylanthraquinone initiators and thermal stabilization with 0.1-0.5% phenolic antioxidants. The most effective antioxidant was N-[3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionyl]ethylenediamine, which considerably increased the gel-fraction content in photochem. crosslinked I-based composites. The consumption of antioxidants during photochem. crosslinking was caused by interaction with alkyl and peroxide radicals.

IT 123196-27-0, F 102  
 RL: USES (Uses)  
 (antioxidants, thermal stabilization with, of photochem. crosslinked low-d. polyethylene)

RN 123196-27-0 CAPLUS

CN Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, [(2-hydroxy-1-naphthalenyl)methylene]hydrazide (9CI) (CA INDEX NAME)



L12 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1981:550271 CAPLUS

DOCUMENT NUMBER: 95:150271

TITLE: Certain 2-hydroxy-1-naphthaldehyde acylhydrazones and their use as fungicides

INVENTOR(S): Rusay, Ronald J.

PATENT ASSIGNEE(S): Stauffer Chemical Co. , USA

SOURCE: U.S., 3 pp.  
 CODEN: USXXAM

DOCUMENT TYPE: Patent

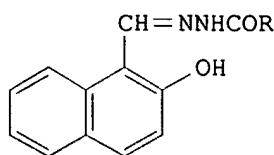
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4277500	A	19810707	US 1980-132957	19800324

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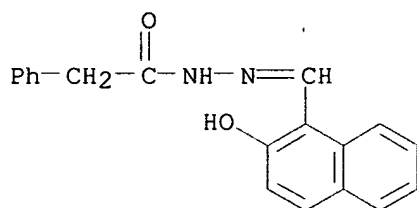


AB Hydrazones I (R = C1-4 alkyl, Ph. halophenyl, PhCH<sub>2</sub> HOC<sub>6</sub>H<sub>4</sub>) were prepd. Thus, 2-hydroxy-1-naphthaldehyde was refluxed with salicyl hydrazide in PhMe to give 58% I (R = o-HOC<sub>6</sub>H<sub>4</sub>), which showed fungicidal activity against bean rust and tomato early blight.

IT **34334-88-8P**  
 RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (prepn. and fungicidal activity of)

RN 34334-88-8 CAPLUS

CN Benzeneacetic acid, [(2-hydroxy-1-naphthalenyl)methylene]hydrazide (9CI)  
 (CA INDEX NAME)



L12 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1974:485489 CAPLUS

DOCUMENT NUMBER: 81:85489

TITLE: Hydrazone derivatives in fluorometric analysis. III. Relations between the fluorescence development of hydrazone derivatives, the formation of its fluorescent metal complexes and their structures

AUTHOR(S): Taniguchi, Hirokazu; Tsuge, Keiko; Nakano, Saburo

CORPORATE SOURCE: Meiji Coll. Pharm., Tokyo, Japan

SOURCE: Yakugaku Zasshi (1974), 94(6), 759-65  
 CODEN: YKKZAJ

DOCUMENT TYPE: Journal

LANGUAGE: Japanese

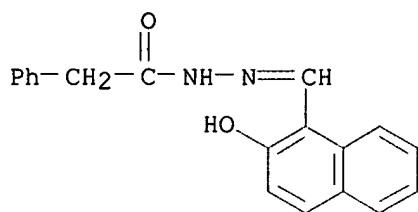
AB The relation between chem. structure and fluorescence characteristics of 37 hydrazones were studied; a hydroxyl group in ortho to the N: CH is necessary for strong fluorescence. Formation of a fluorescent complex of 2-hydroxy-1-naphthaldehyde hydrazones with metal ions was examd. by spot tests. Complexes of Al<sup>3+</sup>, Sc<sup>3+</sup>, Ga<sup>3+</sup>, and Zr<sup>4+</sup> exhibited fluorescence in HOAc; detection limits are given. In Al or Sc complexes of 2-hydroxyl-1-naphthaldehyde benzoyl hydrazone, carbonyl group, hydroxyl group, and the N atom of the N:CH were involved in chelate formation.

IT **34334-88-8P**  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (prepn. and use of, in fluorescent detection of metal ions)

RN 34334-88-8 CAPLUS

CN Benzeneacetic acid, [(2-hydroxy-1-naphthalenyl)methylene]hydrazide (9CI)

(CA INDEX NAME)



L12 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1971:547470 CAPLUS

DOCUMENT NUMBER: 75:147470

TITLE: Studies on the hydrazone derivatives in fluorometric analysis. II. Fluorometric determination of aluminum

AUTHOR(S): Uno, Toyozo; Taniguchi, Hirokazu

CORPORATE SOURCE: Fac. Pharmacol., Kyoto Univ., Kyoto, Japan

SOURCE: Bunseki Kagaku (1971), 20(9), 1123-8

CODEN: BNSKAK

DOCUMENT TYPE: Journal

LANGUAGE: Japanese

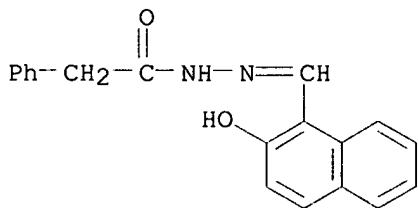
AB Al was detd. fluorometrically at 395 m.mu. (excitation) and 475 m.mu. (emission) as its chelate with 2-hydroxy-1-naphthaldehyde benzoylhydrazone (I) at pH 4.6, with an av. deviation of 0.84%. Beer's law was obeyed for 0.1-1.0 .mu.g/ml. Cu(II), Fe(II), Fe(III), Co(II), and Ni(II) interfere. The 2-hydroxy-1-naphthaldehyde acetyl, phenylacetyl, and isonicotinoyl hydrazones were also prepared and tested.

IT 34334-88-8

RL: ANST (Analytical study)  
(in detn., of aluminum)

RN 34334-88-8 CAPLUS

CN Benzeneacetic acid, [(2-hydroxy-1-naphthalenyl)methylene]hydrazide (9CI)  
(CA INDEX NAME)



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FILE LAST UPDATED: 01 May 1997 (19970501/UP)

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